

# Tiger Neo N-type 72HL4R-(V) 580-610 Watt MONO-FACIAL MODULE

## N-Type

Positive power tolerance of 0~+3%

IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018

Occupational health and safety management systems



## Key Features



### SMBB Technology

Better light trapping and current collection to improve module power output and reliability.



### PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.



### Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.



### Hot 2.0 Technology

The N-type module with Hot 2.0 technology has better reliability and lower LID/LETID.

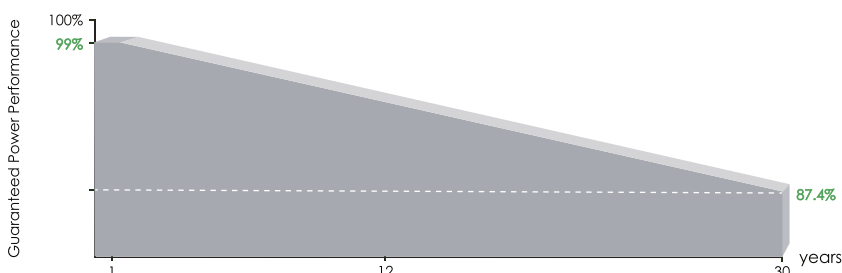


### Enhanced Mechanical Load

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



## LINEAR PERFORMANCE WARRANTY

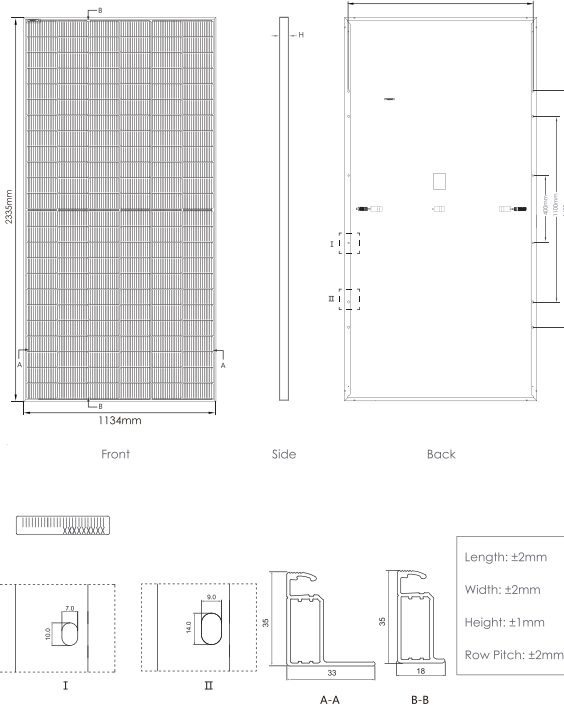


**12** Year Product Warranty

**30** Year Linear Power Warranty

**0.40%** Annual Degradation Over 30 years

## Engineering Drawings

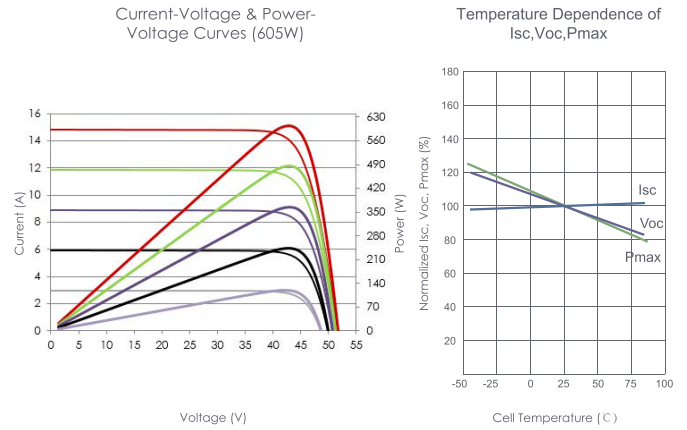


## Packaging Configuration

( Two pallets = One stack )

31pcs/pallets, 62pcs/stack, 620pcs/ 40'HQ Container

## Electrical Performance & Temperature Dependence



## Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	144 (2×72)
Dimensions	2335×1134×35mm (91.93×44.65×1.38 inch)
Weight	28.5 kg (62.83 lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables	TUV 1×4.0mm' (+): 400mm, (-): 200mm or Customized Length

## SPECIFICATIONS

Module Type	JKM580N-72HL4R		JKM585N-72HL4R		JKM590N-72HL4R		JKM595N-72HL4R		JKM600N-72HL4R		JKM605N-72HL4R		JKM610N-72HL4R	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	580Wp	436Wp	585Wp	440Wp	590Wp	444Wp	595Wp	447Wp	600Wp	451Wp	605Wp	455Wp	610Wp	459Wp
Maximum Power Voltage (Vmp)	42.37V	39.69V	42.52V	39.81V	42.67V	39.90V	42.81V	40.02V	42.95V	40.14V	43.09V	40.23V	43.24V	40.27V
Maximum Power Current (Imp)	13.69A	10.99A	13.76A	11.05A	13.83A	11.12A	13.90A	11.18A	13.97A	11.24A	14.04A	11.31A	14.11A	11.39A
Open-circuit Voltage (Voc)	51.02V	48.46V	51.16V	48.60V	51.30V	48.73V	51.41V	48.83V	51.56V	48.98V	51.71V	49.12V	51.82V	49.22V
Short-circuit Current (Isc)	14.47A	11.68A	14.55A	11.75A	14.63A	11.81A	14.71A	11.88A	14.79A	11.94A	14.85A	11.99A	14.95A	12.07A
Module Efficiency STC (%)	21.90%		22.09%		22.28%		22.47%		22.66%		22.85%		23.04%	
Operating Temperature(°C)	-40°C~+85°C													
Maximum system voltage	1000/1500VDC (IEC)													
Maximum series fuse rating	25A													
Power tolerance	0~+3%													
Temperature coefficients of Pmax	-0.29%/°C													
Temperature coefficients of Voc	-0.25%/°C													
Temperature coefficients of Isc	0.045%/°C													
Nominal operating cell temperature (NOCT)	45±2°C													

\*STC: Irradiance 1000W/m<sup>2</sup>

Cell Temperature 25°C

AM=1.5

NOCT: Irradiance 800W/m<sup>2</sup>

Ambient Temperature 20°C

AM=1.5

Wind Speed 1m/s